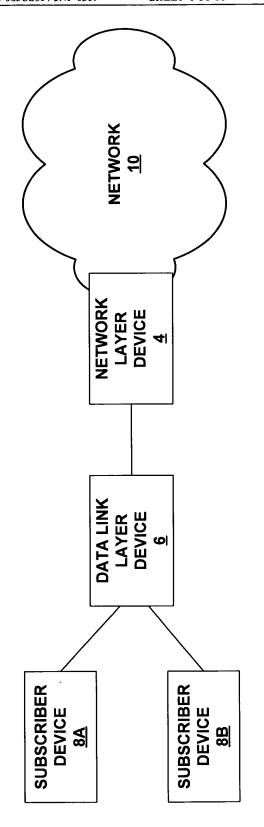
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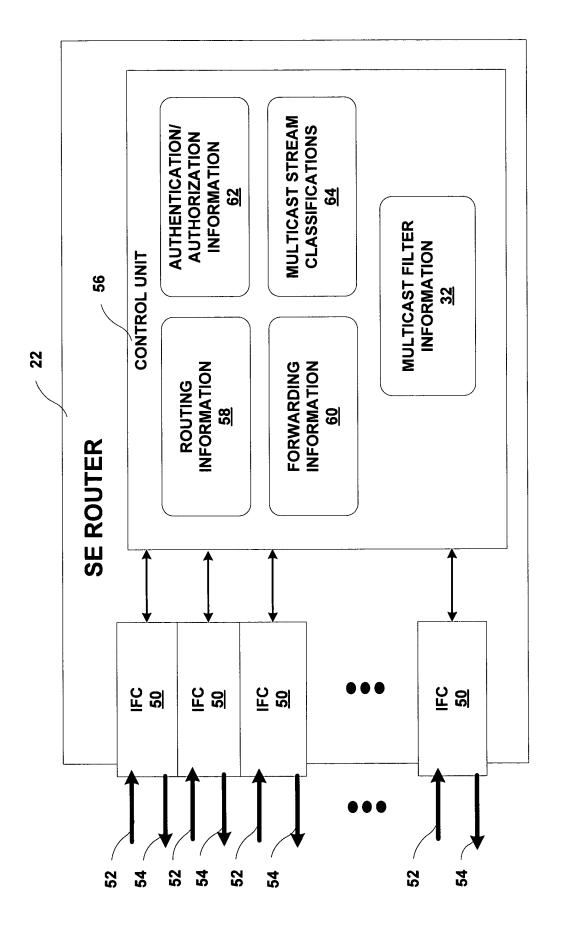
ATTORNEY/AGENT: KENT J. SIEFFERT REG. NO. 41,312 TELEPHONE: 651.735.1100 DOCKET NO.: 1014-065US01 / JNP-0309

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APPLICANT: JEROME MOISAND ET AL. TITLE: CONTROLLING NETWORK LAYER ELEMENTS WITH DATA LINK LAYER ELEMENTS ATTORNEY/AGENT: KENT J. SIEFFERT REG. NO. 41,312 TELEPHONE: 651.735.1100 DOCKET NO.: 1014-065US01 / JNP-0309 SHEET 2 OF 16 NETWORK FILTER INFORMATION **SE ROUTER** MULTICAST SERVER 22 28B **28A** MULTICAST FILTER INFORMATION FILTER INFORMATION MULTICAST **SWITCH SWITCH** 24A 24B 36B 36A 38A 38D 38B 38C SUBSCRIBER DEVICE 26C SUBSCRIBER SUBSCRIBER SUBSCRIBER DEVICE 26D DEVICE DEVICE 26B 26A

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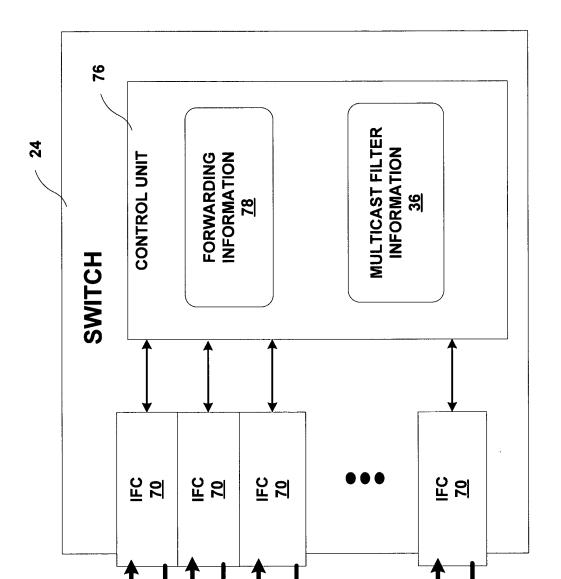


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74

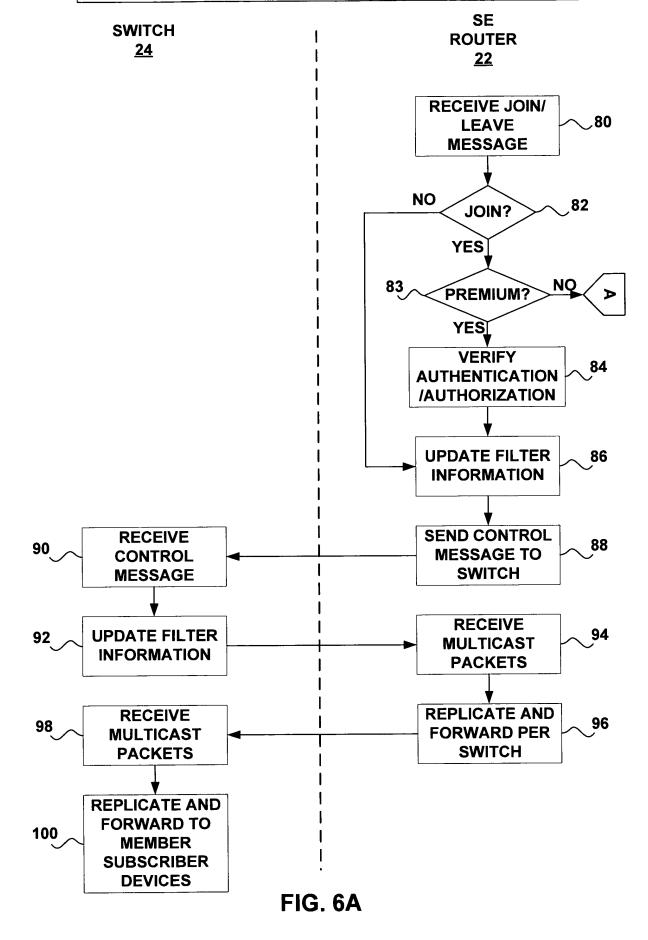
72



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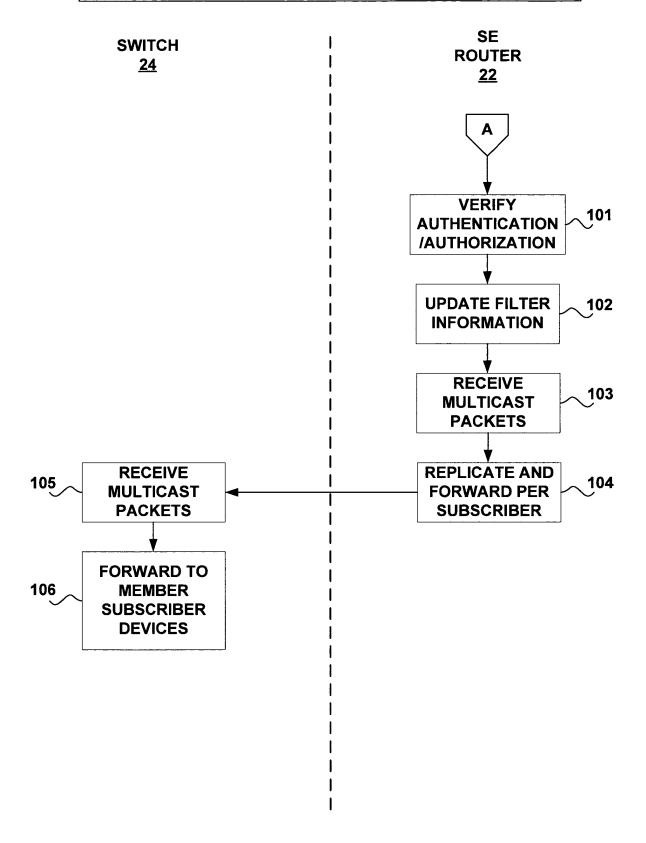


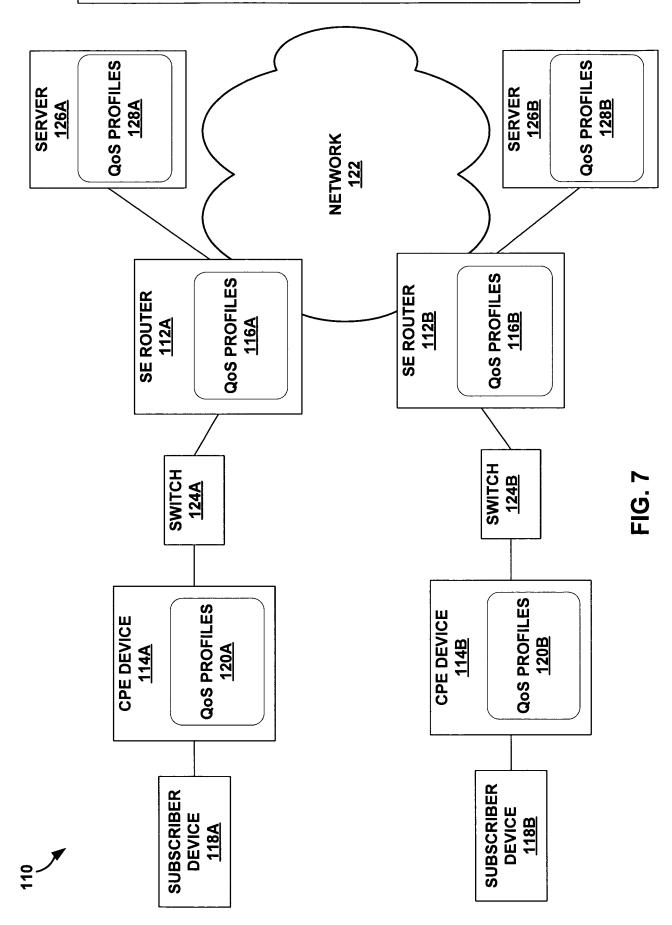
FIG. 6B

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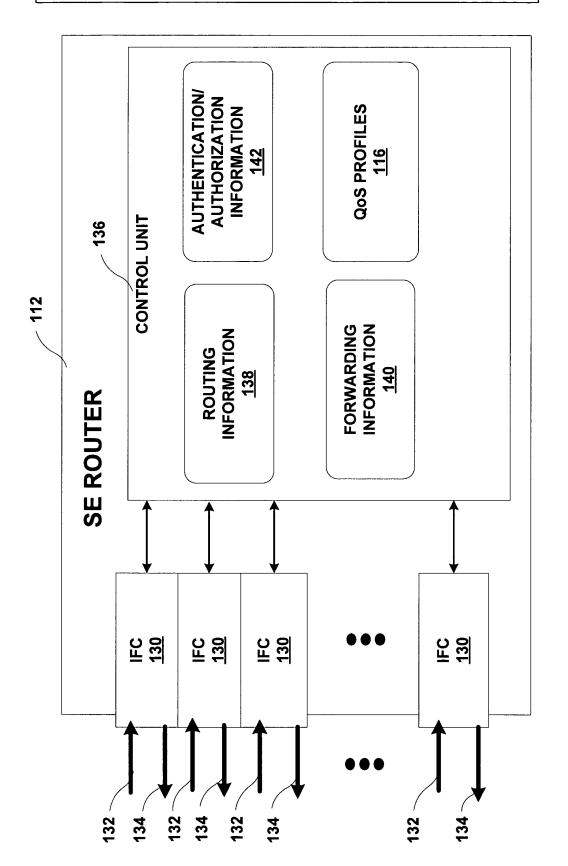
SHEET 8 OF 16



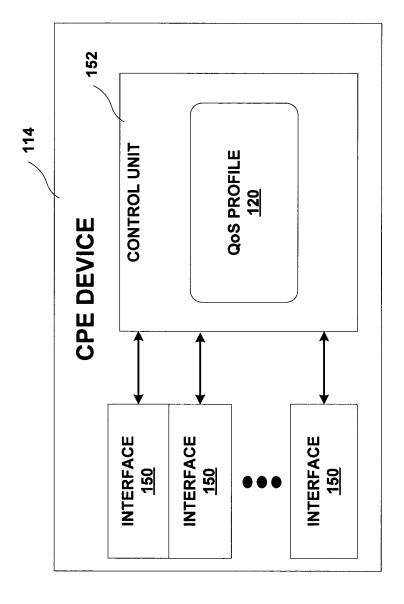
TITLE: CONTROLLING NETWORK LAYER ELEMENTS WITH DATA LINK LAYER ELEMENTS

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APPLICANT: JEROME MOISAND ET AL. TITLE: CONTROLLING NETWORK LAYER ELEMENTS WITH DATA LINK LAYER ELEMENTS ATTORNEY/AGENT: KENT J. SIEFFERT REG. NO. 41,312 TELEPHONE: 651.735.1100 DOCKET NO.: 1014-065US01 / JNP-0309 SHEET 11 OF 16 CPE SE **DEVICE ROUTER** <u>114</u> 112 **RECEIVE VolP** 160 REQUEST VERIFY 162 **AUTHENTICATION/ AUTHORIZION CHECK QoS** 164 **PROFILE** RECEIVE SEND CONTROL 168 170 **MESSAGE TO** CONTROL **CPE DEVICE MESSAGE UPDATE QoS** 172 **PROFILE FOR LAYER-2 LINK** FORWARD VolP FORWARD VoIP **PACKETS ON PACKETS** 176 174 LINK **ACCORDING TO ACCORDING TO**

FIG. 10

QoS PROFILE

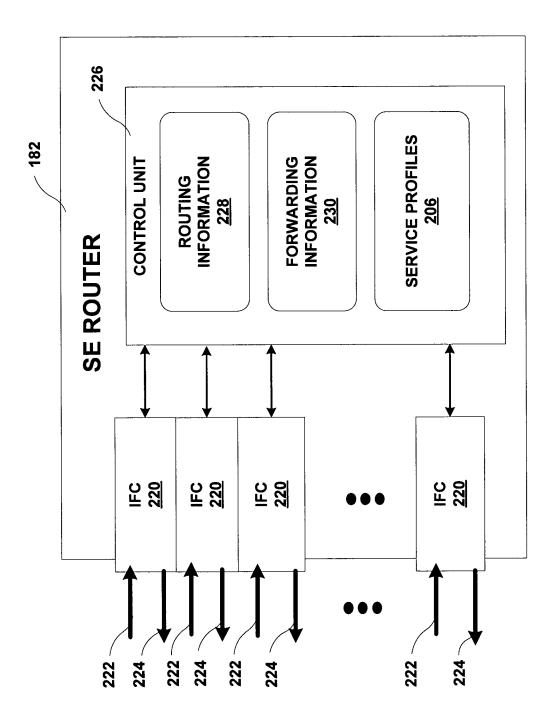
QoS PROFILE

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TITLE: CONTROLLING NETWORK LAYER ELEMENTS WITH DATA LINK LAYER ELEMENTS

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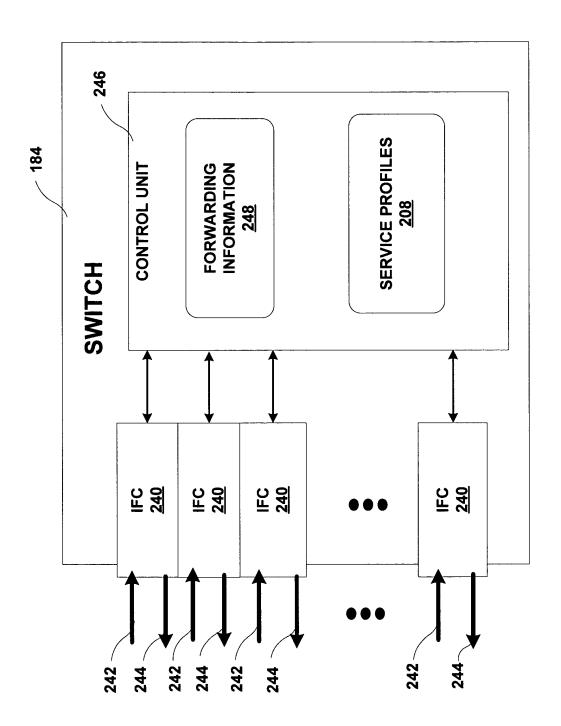


APPLICANT: JEROME MOISAND ET AL.

TITLE: CONTROLLING NETWORK LAYER ELEMENTS WITH DATA LINK LAYER ELEMENTS

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TITLE: CONTROLLING NETWORK LAYER ELEMENTS WITH DATA LINK LAYER ELEMENTS
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